

AMENDMENTS TO THE CLAIMS

Claims 1-23 (Cancelled).

24. (New) An image data coding apparatus comprising:

a motion compensator;

a transformer;

a quantizer comprising at least two different quantizing tools;

an inverse quantizer comprising at least two different inverse quantizing tools; and

an inverse transformer;

said image data coding apparatus transmitting information indicating tools constituting a decoding algorithm for decoding a coded image data including information indicating an inverse quantizing tool for inverse quantizing the coded image data.

25. (New) The image data coding apparatus of claim 24 wherein said at least two different quantizing tools comprise a first quantizing tool having a first processing capability and a second quantizing tool having a second processing capability different than the first processing capability.

26. (New) The image data coding apparatus of claim 24 wherein said information indicating an inverse quantizing tool comprises information identifying a quantizing tool.

27. (New) The image data coding apparatus of claim 24 wherein said information indicating an inverse quantizing tool comprises information indicating a processing capability of a quantizing tool.

28. (New) The image data decoding apparatus of claim 25 wherein said information indicating an inverse quantizing tool comprises information specifying said first inverse quantizing tool or said second inverse quantizing tool.

29. (New) An image data decoding apparatus comprising:
a motion compensator;
an inverse quantizer comprising at least two different inverse quantizing tools; and
an inverse transformer;
said image data decoding apparatus receiving information indicating tools constituting a decoding algorithm for decoding a coded image data including information indicating an inverse quantizing tool for inverse quantizing the coded image data.

30. (New) The image data decoding apparatus of claim 29 wherein said at least two different inverse quantizing tools comprise a first inverse quantizing tool having a first processing capability and a second inverse quantizing tool having a second processing capability different than the first processing capability.

31. (New) The image data decoding apparatus of claim 29 wherein said information indicating an inverse quantizing tool comprises information identifying a quantizing tool.

32. (New) The image data decoding apparatus of claim 29 wherein said information indicating an inverse quantizing tool comprises information indicating a processing capability of a quantizing tool.

33. (New) The image data decoding apparatus of claim 30 wherein said information indicating an inverse quantizing tool comprises information specifying said first inverse quantizing tool or said second inverse quantizing tool.